

ABSTRACT

Apparatus for Detecting the Oscillation Amplitude of an Oscillating Object

Apparatus for detecting the oscillation amplitude of an oscillating object (3) includes
5 an optical radiation source (9) and a detector (10) including first and second optical
radiation sensing areas (24A, 24B) adjacent each other. The detector (10) and the
optical radiation source (9) are adapted to be located opposite each other with the
oscillating object (3) located between the source (9) and the detector (10) so that the
object (3) blocks a portion of the sensing areas (24A, 24B) from receiving optical
10 radiation from the source (9). A processor (18) coupled to the detector (10) receives
first and second output signals representing the magnitude of optical radiation
sensed by the first and second optical radiation sensing areas (24A, 24B),
respectively. The processor (18) processes the first and second output signals to
obtain an indication of the amplitude of oscillation of the object (3).

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Figure 2